

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 7/31/2018 3:35:35 PM
To: Smith, Emily J. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3170dc8557cb488285de7652ad162cdd-Smith, Emily J.]
Subject: RE: blood method you developed

Emily,

The method measured for all of these analytes and some additional not listed here.

From: Smith, Emily J.
Sent: Tuesday, July 31, 2018 11:30 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: blood method you developed

Thanks Mark!

The NCSU website lists a bunch of chemicals that this study is measuring for: <https://chhe.research.ncsu.edu/the-genx-exposure-study/> . Did your method measure for all of those chemicals?

Short Name	Chemical Name	Chemical Formula	CAS Number
1	GenX (HFPO-DA)	Perfluoro-2-propoxypropanoic acid	C ₆ HF ₁₁ O ₃ 13252-13-6
2	PFOA	Perfluorooctanoic acid	C ₈ HF ₁₅ O ₂ 335-67-1
3	PFOS	Perfluorooctane sulfonic acid	C ₈ HF ₁₇ SO ₃ 1763-23-1
4	PFPeA	Perfluoropentanoic acid	C ₅ HF ₉ O ₂ 2706-90-3
5	PFHxA	Perfluorohexanoic acid	C ₆ HF ₁₁ O ₂ 307-24-4
6	PFHpA	Perfluoroheptanoic acid	C ₇ HF ₁₃ O ₂ 375-85-9
7	PFBA	Perfluorobutanoic acid	C ₄ HF ₇ O ₂ 375-22-4
8	PFNA	Perfluorononanoic acid	C ₉ HF ₁₇ O ₂ 375-95-1
9	PFDA	Perfluorodecanoic acid	C ₁₀ HF ₁₉ O ₂ 335-76-2
10	6:2 FTS	6:2 fluorotelomer sulfonate	C ₈ H ₅ F ₁₃ SO ₃ 27619-97-2
11	PFBS	Perfluorobutane sulfonic acid	C ₄ HF ₉ SO ₃ 375-73-5
12	PFHxS	Perfluorohexane sulfonic acid	C ₆ HF ₁₃ SO ₃ 355-46-4

Laboratory results for the following chemicals are considered semi-quantitative:

Short Name	Chemical Name	Chemical Formula	CAS Number
13	PFMOAA	Perfluoro-2-methoxyacetic acid	C ₃ HF ₅ O ₃ 674-13-5

14	Nafion byproduct 2	Ethanesulfonic acid, 2-[1-(difluoro(1,2,2,2-tetrafluoroethoxy)methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-	C ₇ H ₂ F ₁₄ O ₅ S	749836-20-2
15	PFO2HxA	Perfluoro(3,5-dioxahexanoic) acid	C ₄ HF ₇ O ₄	39492-88-1
16	PFO3OA	Perfluoro(3,5,7-trioxaoctanoic) acid	C ₅ HF ₉ O ₅	39492-89-2
17	PFO4DA	Perfluoro(3,5,7,9-tetraoxadecanoic) acid	C ₆ HF ₁₁ O ₆	39492-90-5

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From: Strynar, Mark
Sent: Tuesday, July 31, 2018 11:27 AM
To: Smith, Emily J. <Smith.Emily@epa.gov>
Subject: RE: blood method you developed

No it is not. It is targeted.

From: Smith, Emily J.
Sent: Tuesday, July 31, 2018 10:48 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: blood method you developed

Hi Mark,

Is the blood analysis method you developed for the NCSU PFAS study considered a non-targeted method?

Thanks!!

-Emily

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